CYP11B1 Rabbit pAb

Catalog NO.: A15046

Basic Information

Observed MW

Calculated MW
58kDa

Category
Polyclonal Antibodies

Applications
IF/ICC, IHC-P, ELISA

Cross-Reactivity
Human

Conjugation
Unconjugated

Background

This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the mitochondrial inner membrane and is involved in the conversion of progesterone to cortisol in the adrenal cortex. Mutations in this gene cause congenital adrenal hyperplasia due to 11-beta-hydroxylase deficiency. Transcript variants encoding different isoforms have been noted for this gene.

Recommended Dilutions

IF/ICC	1:50 - 1:200
IHC-P	1:2000 - 1:8000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
1584

Swiss Prot
P15538

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
FHI; CPN1; CYP11B; P450C11; CYP11B1

Contact

Product Information

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service@abclonal.com
www.abclonal.com

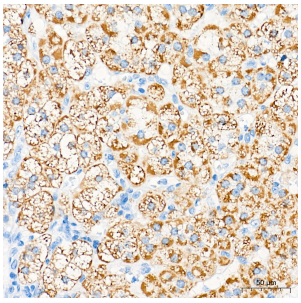
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Human adrenal gland tissue using CYP11B1 Rabbit pAb (A15046) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

For research use only. Not for therapeutic or diagnostic purposes.

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